



CAMPUS SOLARIZATION PROGRAM STATUS

June/July 2011

This document provides a status summary of ASU’s campus solarization program describing completed projects, and projects in installation, design, and planning.

Campus Solarization Summary		
Completed Projects	9.77	MW
Projects in Installation	4.74	MW
Projects in Design	0.90	MW
Projects in Planning	2.80	MW
Current Solarization Plan	18.20	MW

ASU’s Solarization Goals and Objectives

- To demonstrate ASU’s commitment to sustainability and carbon neutrality goals.
- To educate the student body about the benefits of renewable energy generation.
- To utilize roofs and other ASU-owned spaces to effectively generate electricity using solar photovoltaic systems.
- To utilize roof and other ASU-owned spaces to effectively generate heating Btu’s through thermal solar systems.
- To obtain credit for generating renewable energy.
- To support the State’s Solar Roadmap and the Renewable Energy Standard and Tariff.
- To reduce the per unit cost of developing solar photovoltaic systems by making a significant and long-term commitment.
- To facilitate the investment in solar photovoltaic systems by industries and businesses within the state.
- To improve environmental quality in the greater Phoenix area.

Milestone date: ASU will reach 10 MW on September 3, 2011.

Completed Projects — The following chart shows projects completed.

Completed Projects				
Building/Facility	Size	Type	PV	Completed
Tempe Campus				
Tyler Street Structure (PS 2)	34	kW	Fixed	10/2004
Stadium Parking Structure (PS 5)	711	kW	Single Axis Tracker	12/2008
Apache Blvd Parking Structure (PS 1)	880	kW	Single Axis Tracker	01/2009
Bio Design - A and B	150	kW	Fixed	01/2009
Coor Hall - upper level roof	108	kW	Fixed	04/2009
Hassayampa Academic Village	131	kW	Fixed	12/2009
Wrigley Hall*	24	kW	Fixed	12/2009
Police Building Parking Canopies	12	kW	Fixed	12/2009
Barrett Honors College	161	kW	Fixed	04/2010
Hayden Library	249	kW	Fixed	09/2010
Carson Student Athletic Center	70	kW	Fixed	09/2010
Weatherup Center	141	kW	Fixed	09/2010
Parking Structure #4	884	kW	Fixed	10/2010
Parking Structure #7	290	kW	Fixed	10/2010
Noble Science Library	108	kW	Fixed	11/2010
Farmer Building	111	kW	Fixed	11/2010
Fulton Parking Structure	386	kW	Single Axis Tracker	11/2010
Parking Structure #3	215	kW	Fixed	11/2010
Schwada Classroom Office Building	87	kW	Fixed	03/2011
Physical Education East	218	kW	Fixed	04/2011
USB FM Parking Lot	67	kW	Fixed	07/2011
Business Administration, A Wings	60	kW	Fixed	07/2011
Cowden Family Resources	64	kW	Fixed	07/2011
Campus Sub-Total	5.16	MW		
West Campus				
Open Land Area	2677	kW	Single Axis Tracker	02/2011
3 Parking Lots	1928	kW	Fixed	02/2011
Campus Sub-Total	4.61	MW		
Complete Projects Total	9.77	MW		

*Formerly GIOS

Projects in Installation — The following chart shows currently under construction.

Projects in Installation				
Location	Size	Type	PV	Estimated Completion
Tempe Campus				
Parking Structures and Lots				
Vista Del Sol Parking Structure	706	kW	Single Axis Tracker	10/2011
Tyler Parking Structure (PS2)	477	kW	Fixed	11/2011
Lot #59 Power Parasol Project	2100	kW	Fixed	12/2011
Buildings				
Music	94	kW	Fixed	08/2011
Verde Dickey Dome*	168	kW	Fixed	09/2011
Interdisciplinary B	94	kW	Fixed	09/2011
Psychology North	74	kW	Fixed	09/2011
Computing Commons	64	kW	Fixed	09/2011
ISTB - 1	57	kW	Fixed	10/2011
Student Services Building	188	kW	Fixed	10/2011
Payne Hall	144	kW	Fixed	10/2011
Well Fargo Arena	497	kW	Fixed	11/2011
Campus Sub-Total	4.66	MW		
Downtown Campus				
Cronkite	77	kW	Fixed	09/2011
Campus Sub-Total	0.08	MW		
Total	4.74	MW		

*Formerly Indoor Practice Facility

Projects in Design — The following chart shows projects that are in design.

Projects in Design				
Location	Approx Size	Type	PV	Estimated Completion
<i>Poly Campus</i>				
Polytechnic Ground Mount Phase 1	299	kW	Single Axis Tracker	01/2012
Polytechnic Ground Mount Phase 2	598	kW	Single Axis Tracker	03/2012
<i>Campus Sub-Total</i>	0.897	MW		
Total	0.90	MW		

Projects in Planning — The following chart shows projects that are in the planning stages.

Projects in Planning				
Location	Approx Size	Type	PV	Estimated Completion
<i>Poly Campus</i>				
Airlight Concentrating Solar Plant	2800	kW	Single Axis Tracker	TBD
MTW	22	kW	Multi Axis Tracker	TBD
<i>Campus Sub-Total</i>	2.8	MW		
Total	2.8	MW		